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CLAIMS:

What is claimed is:

1. A method for managing network configuration data, the network comprising a plurality of first type computers having a limited function range excluding at least a self-boot process and being bootable by a second type computer having a respective extended function range, said method comprising:

sending location information about the first type computer such that a respective second type computer may receive it.

- 2. The method according to claim 1 in which said location information is included into boot messages usable between first type and second type computers according to a predetermined network communication protocol.
- 3. The method according claim 2 further comprising:
 including current status information about the first type
 computer into Infoboot messages having the same format as said
 boot messages; and

periodically sending current status information in said boot messages after a successful boot of the first type computer.

- 1 4. The method according to claim 2 further comprising providing 2 a flagging means in said boot message for distinguishing between 3 said boot message and said Infoboot message.
- 5. The method according to claim 1 wherein said location information is included into boot messages according to the BootP protocol.

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- 1 6. A method for managing network configuration data, the
- 2 network comprising a plurality of first type computers having a
- 3 limited function range excluding at least a self-boot process and
- 4 being bootable by a second type computer having a respective
- 5 extended function range, said method comprising:
 - collecting first-type-computer-related location and /or status information from a plurality of locations in the network by evaluating messages sent out by the first type computers; and
 - storing said location and /or status information.
 - 7. The method according to claim 6 wherein said second type computer is a server, and further comprising using the location information for determining the server's own network location.
 - 8. The method according to claim 7 further comprising collecting said information in a dedicated database.
 - 9. The method according to claim 8 further comprising setting up a network configuration description according to the stored information.
- 1 10. The method according claim 9 further comprising, after a
- 2 second-type-computer-related operation disruption, evaluating
- 3 current status and /or location information associated with said
- 4 first type computers before other messages.
- 1 11. The method according to claim 6 further comprising
- 2 consistently operating second type server computers serving first
- 3 type embedded controller computers in an enterprise network.
- 1 12. The method according to claim 6 further comprising operating
- 2 second type server computers serving first type embedded
- 3 controller computers in a computer-controlled industry plant.

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- 1 13. An apparatus method for managing network configuration data, said apparatus comprising:
 - a plurality of first type computers having a limited function range excluding at least a self-boot process;
 - a second type computer having a respective extended function range, said first type computers being bootable by said second type computer; and
 - a transmitter sending location information about the first type computer such that a respective second type computer may receive it.
 - 14. The apparatus according to claim 13 in which said location information is included into boot messages usable between first type and second type computers according to a predetermined network communication protocol.
 - 15. The apparatus according claim 14 further comprising:
 - a facility including current status information about the first type computer into Infoboot messages having the same format as said boot messages; and
 - a facility periodically sending current status information in said boot messages after a successful boot of the first type computer.
- 1 16. The apparatus according to claim 14 further comprising a
- 2 flag in said boot message for distinguishing between said boot
- 3 message and said Infoboot message.
- 1 17. The apparatus according to claim 13 wherein said location
- 2 information is included into boot messages according to the BootP
- 3 protocol.

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- 1 18. An apparatus for managing network configuration data, the
- 2 network comprising a plurality of first type computers having a
- 3 limited function range excluding at least a self-boot process and
- 4 being bootable by a second type computer having a respective
- 5 extended function range, said apparatus comprising:

An evaluator collecting first-type-computer-related location and /or status information from a plurality of locations in the network by evaluating messages sent out by the first type computers; and

- a memory storing said location and /or status information.
- 19. The apparatus according to claim 18 wherein said second type computer is a server, and further comprising using the location information for determining the server's own network location.
- 20. The apparatus according to claim 19 further comprising said evaluator collecting said information in a dedicated database.
- 21. The apparatus according to claim 20 further comprising setting up a network configuration description according to the stored information.
- 1 22. The apparatus according claim 21 further comprising, after a
- 2 second-type-computer-related operation disruption, evaluating
- 3 current status and /or location information associated with said
- 4 first type computers before other messages.
- 1 23. The apparatus according to claim 18 further comprising
- 2 consistently operating second type server computers serving first
- 3 type embedded controller computers in an enterprise network.
- 1 24. The apparatus according to claim 18 further comprising
- 2 operating second type server computers serving first type

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- embedded controller computers in a computer-controlled industry
 plant.
- 25. A program product for managing network configuration data, the network comprising a plurality of first type computers having a limited function range excluding at least a self-boot process and being bootable by a second type computer having a respective extended function range, said program product comprising:

a computer readable medium having recorded thereon computer readable program code means for performing the method comprising:

sending location information about the first type computer such that a respective second type computer may receive it.

- 26. The program product according to claim 25 in which said location information is included into boot messages usable between first type and second type computers according to a predetermined network communication protocol.
- 27. The program product according claim 25 wherein said method further comprises:

including current status information about the first type computer into Infoboot messages having the same format as said boot messages; and

periodically sending current status information in said boot messages after a successful boot of the first type computer.

28. The program product according to claim 26 wherein said method further comprises providing a flagging means in said boot message for distinguishing between said boot message and said Infoboot message.

- 1 29. The program product according to claim 25 wherein said
- 2 location information is included into boot messages according to
- 3 the BootP protocol.
- 1 30. A program product for managing network configuration data,
- 2 the network comprising a plurality of first type computers having
- 3 a limited function range excluding at least a self-boot process
 - and being bootable by a second type computer having a respective
- 5 extended function range, said program product comprising:
 - a computer readable medium having recorded thereon computer readable program code means for performing the method comprising:

collecting first-type-computer-related location and /or status information from a plurality of locations in the network by evaluating messages sent out by the first type computers; and storing said location and /or status information.

- 31. The program product according to claim 30 wherein said second type computer is a server, and said method further comprises using the location information for determining the server's own network location.
- 1 32. The program product according to claim 31 wherein said
- 2 method further comprises collecting said information in a
- 3 dedicated database.
- 1 33. The program product according to claim 32 wherein said
- 2 method further comprises setting up a network configuration
- 3 description according to the stored information.
- 1 34. The program product according claim 33 wherein said method
- 2 further comprises, after a second-type-computer-related operation
- 3 disruption, evaluating current status and /or location

- 4 information associated with said first type computers before
- 5 other messages.
- 1 35. The program product according to claim 25 wherein said
- 2 method further comprises consistently operating second type
- 3 server computers serving first type embedded controller computers
- 4 in an enterprise network.
 - 36. The program product according to claim 25 wherein said method further comprises operating second type server computers serving first type embedded controller computers in a computer-controlled industry plant.